

WHAT IS CLAIMED IS:

1. A card slot unit including an internal space which detachably accommodates a card module therein, comprising:

5 first and second slot connectors which are members which come into contact with card terminals mounted on one plane of the card module in the internal space in order to enable an electrical connection, and provided on respective planes of the inside in such 10 a manner that they are arranged so as to be opposed to each other; and

15 an insulator which is positioned between the first and second slot connectors to prevent the first and second slot connectors from coming into contact with each other when the card module is not attached in the internal space.

20 2. The card slot unit according to claim 1, wherein the first and second slot connectors electrically connect a card interface unit mounted in a digital equipment with the card terminals by a structure to achieve an electrical connection with the card interface unit.

25 3. The card slot unit according to claim 1, wherein the card module is a memory card or an IC card.

4. The card slot unit according to claim 1, wherein each of the first and second slot connectors consists of a metallic elastic member.

5. The card slot unit according to claim 1,
wherein one of the first and second slot connectors is
a reversible connector.

6. The card slot unit according to claim 1,
5 wherein the insulating member is a plate-like member
which moves in an attachment/detachment direction of
the card module,

the card slot unit further comprising:
10 a movement mechanism which moves the insulating
member to the outer side of the internal space in
accordance with an attachment operation of the card
module, and moves the insulating member to the inner
side of the internal space in accordance with an eject
operation of the card module.

15 7. The card slot unit according to claim 1,
further comprising:

an eject mechanism which engages with the
insulating member, and ejects the card module by moving
the insulating member in the inner direction of the
20 internal space when the card module is being attached.

8. The card slot unit according to claim 7,
wherein the eject mechanism includes a rotation
mechanism which engages with the insulating member and
an operation member which engages with the rotation
25 mechanism, and

the eject mechanism is configured to eject
the card module by moving the insulating member in

the inner direction of the internal space through the rotation mechanism in accordance with an operation of the operation member when the card module is being attached.

5 9. The card slot unit according to claim 8, wherein the operation member is a rod type member which moves in the attachment/detachment direction of the card module, and configured to move in a direction opposite to the insulating member with respect to the
10 attachment/detachment direction of the card module.

10 10. The card slot unit according to claim 1, wherein the card slot unit is mounted in a digital equipment which uses the card module, and constituted of a slot main body including the internal space for
15 accommodating the card module therein.

15 11. A digital apparatus comprising:
20 a card slot unit which detachably accommodates a card module therein, has first and second slot connectors which are connected with card terminals of the card module, one of the respective slot connectors being a reversible connector, and includes a mechanism which prevents a short circuit between the respective slot connectors; and

25 a card interface unit which is electrically connected with the respective slot connectors, and electrically connected with the card module through one of the respective slot connectors.

12. The digital apparatus according to claim 11,
wherein the mechanism has an insulating member which is
positioned between the first and second slot connectors
to prevent the first and second slot connectors from
5 coming into contact with each other when the card
module is not attached.

13. The digital apparatus according to claim 11,
wherein the mechanism has:

10 a plate-like insulating member which moves in an
attachment/detachment direction of the card module; and
15 a movement mechanism which moves the insulating
member to the outer side of the card slot unit in
accordance with an attachment operation of the card
module, and moves the insulating member to the inner
side of the card slot unit in accordance with an eject
operation of the card module.

14. The digital apparatus according to claim 12,
further comprising:

20 an eject mechanism which engages with the
insulating member, and ejects the card module by moving
the insulating member in the inner direction of the
card slot unit when the card module is being attached.

25 15. The digital apparatus according to claim 14,
wherein the eject mechanism includes a rotation
mechanism which engages with the insulating member and
an operation member which engages with the rotation
mechanism, and is configured to eject the card module

by moving the insulating member in the inner direction of the card slot unit through the rotation mechanism in accordance with an operation of the operation member when the card module is being attached.